

Project Summary

I. INTRODUCTION

An application for renewal of a federally enforceable state operating permit has been submitted to the Illinois EPA by E. D. Etnyre & Company for their existing manufacturing plant. The permit would recognize that this manufacturing plant is not a major source of emissions so that an operating permit does not have to be obtained under the Clean Air Act Permit Program for major sources. The permit would contain conditions to assure that this manufacturing plant is operated as a non-major source. Unlike E. D. Etnyre & Company's current operating permit, these conditions would be enforceable by both the IEPA and USEPA.

II. PROJECT DESCRIPTION

E. D. Etnyre & Company operates two shot blast units with a baghouse, two shotblasting units, 60 welding stations, twelve cutting torches, three paint spray booths, spray bake oven and a natural gas fired forge at this location.

III. EMISSIONS

Volatile Organic Materials (VOM) and Hazardous Air Pollutants (HAPs), specifically xylene, are the chief air pollutants released from the paint spray booths. VOM consists of compounds of carbon and hydrogen which participate in the atmospheric reactions that produce ozone (smog). VOM and HAPs are emitted from the various surface coatings being applied in this facility and are the result of the evaporation of solvents and thinners, which are contained within the coating to aid in the application process and for clean-up.

E. D. Etnyre & Company is proposing to limit the amount and types of surface coatings applied as well as clean-up solvents used in their plant. The proposed permit also limits the amount of VOM and HAPs allowed in the coatings.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board (Board) emission standards. The Board's emission standards represent the basic requirements for sources in Illinois. The Board has standards for sources of nitrogen oxides, carbon monoxide, particulate matter, volatile organic material and sulfur dioxide emissions. This site complies with all applicable Board standards.

V. PROPOSED PERMIT

The conditions of the proposed permit contain limitations and requirements to assure that this manufacturing plant will be operated as a non-major source. The permit sets limitations on the amounts and types of paints and solvents used. These limitations are

consistent with the historic operation and capacity of the plant. The emissions of HAPs and VOM are based on the limitation on the usage of paints and solvents.

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The permit conditions also establish appropriate compliance procedures, including inspection practices and monitoring, record keeping, and reporting requirements. The Permittee must carry out these procedures on an on-going basis to demonstrate that the paint spray booths are operating within the limitations set by the permit.

The combination of limitations and required controls in a federally enforceable state operating permit results in E. D. Etnyre & Company being a non-major source. As such, it is not required to obtain an operating permit under the Clean Air Act Permit Program for major sources.

VI. REQUESTS FOR COMMENTS

It is the Illinois EPA's preliminary determination that the proposed permit meets all applicable state and federal air pollution control requirements. The Illinois EPA is therefore proposing to issue a permit with federally enforceable limits for this operation.

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions on the draft permit. Comments must be postmarked by the end of the comment period, and addressed to the Illinois Environmental Protection Agency, Division of Air Pollution Control, P. O. Box 19506, Springfield, Illinois 62794-9506. If substantial public concern is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.

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